

CLAIM AMENDMENTS

1-22 (Cancelled)

23. (Currently Amended) A method of making a lithium polymer battery comprising:
preparing a positive active material ~~slurry~~ by preparing a first solution by dissolving a binder in a solvent, adding a plasticizer, and adding a ~~lithium salt~~ LiCoO₂ as a positive active material, and adding carbon black to the first solution to produce a first mixture;
stirring the first mixture to increase viscosity of the first mixture;
directly applying the first mixture to opposite sides of ~~an~~ each of first and second aluminum ~~foil~~ foils, the first and second aluminum ~~foil~~ foils including a plurality of through holes extending through the first and second aluminum ~~foil~~ foils, as a first and second positive ~~collector~~ collectors, to form a first and second positive ~~plate~~ plates;
preparing a negative active material ~~slurry~~ by preparing a second solution by dissolving a binder in a solvent and adding a plasticizer, and adding carbon black to the second solution to produce a second mixture;
stirring the second mixture to increase viscosity of the second mixture;
directly applying the ~~negative active material slurry~~ second mixture to opposite sides of a copper foil, the copper foil being free of holes, as a negative collector, to form a negative plate;
laminating the first positive plate and the negative plate on opposite sides of a first separator and laminating the second positive plate and the negative plate on opposite sides of a second separator, the first and second positive plate sandwiching the negative plate and the first and second separators; and
extracting the plasticizer from the first and second positive ~~plate~~ plates and the negative plate.

24-27 (Cancelled)

28. (Previously Presented) The method according to claim 23 wherein the binder is polyvinylidene fluoride.


29. (Currently Amended) The method of claim 23 wherein the first and second solvents are ~~chosen from the group consisting of acetone and N-methyl-2-pyrrolidone and acetone,~~ respectively.

30. (Previously Presented) A lithium polymer battery made by the method of claim 23.

31. (Currently Amended) A lithium polymer battery made by the method of claim ~~24~~35.

32. (Currently Amended) A lithium polymer battery made by the method of claim ~~25~~36.

33 (Cancelled)

 34. (Previously Presented) A lithium polymer battery made by the method of claim 27.

35. (New) A method of making a lithium polymer battery comprising:
preparing a positive active material slurry by preparing a first solution by dissolving a binder in a solvent, adding a plasticizer, adding LiCoO_2 as a positive active material, and adding carbon black to the first solution to produce a first mixture, and stirring the first mixture to increase viscosity of the first mixture and to produce the positive active material slurry;

forming sheets of the positive active material slurry;

applying the sheets of the positive active material slurry to opposite sides of each of first and second aluminum foils, the first and second aluminum foils including a plurality of through holes extending through the first and second aluminum foils, as first and second positive collectors, to form first and second positive plates;

preparing a negative active material slurry by preparing a second solution by dissolving a binder in a solvent and adding a plasticizer, adding carbon black to the second solution to produce a second mixture, and stirring the second mixture to increase viscosity of the second mixture and to produce the negative active material slurry;


forming sheets of the negative active material slurry;

applying the sheets of the negative active material slurry to opposite sides of a copper foil, the copper foil being free of holes, as a negative collector, to form a negative plate;

laminating the first positive plate and the negative plate on opposite sides of a first separator and laminating the second positive plate and the negative plate on opposite sides of a second separator, the first and second positive plate sandwiching the negative plate and the first and second separators; and

extracting the plasticizer from the first and second positive plates and the negative plate.

In re Appln. of Youn-hun CHANG et al.
Application No. 09/416,270



36. (New) The method according to claim 35 wherein the binder is polyvinylidene fluoride.
